

Docket No. 202863US2/phh

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Sadayuki ABETA, et al.

SERIAL NO: 09/780,501

GAU: 2681

FILED: February 12, 2001

EXAMINER:

FOR: MULTI-CARRIER CDMA RADIO TRANSMITTING METHOD AND APPARATUS, AND CHANNEL ESTIMATION METHOD AND APPARATUS FOR MULTI-CARRIER CDMA RADIO TRANSMITTING SYSTEM



INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SEP 03 2003

SIR:

Applicant(s) wish to disclose the following information.

Technology Center 2600

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the attached European Search Report listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment form is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 202863US2		SERIAL NO. 09/780,501	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Sadayuki ABETA, et al.			
				FILING DATE February 12, 2001		GROUP 2681	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						RECEIVED SEP 03 2003 Technology Center, 2003
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AI	0 910 181	04/21/99	EUROPE			
	AJ	0 961 511	12/01/99	EUROPE			
	AK	WO 00/03508	01/20/2000	WIPO ( with English Abstract and corr. EP 1 014 609 )			X
	AL	1 014 609	06/28/2000	EUROPE			
	AM	0 964 529	12/15/99	EUROPE			
	AN						
	AO						
	AP						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AQ	A. BAIER, et al., IEE European Conference on Mobile and Personal Communications, XP-000610288, pages 255-260, " MULTI-RATE DS-CDMA RADIO INTERFACE FOR THIRD-GENERATION CELLULAR SYSTEMS ", December 13- 15, 1993					
	AR	M.-H. HSIEH, et al., IEEE Transactions on Consumer Electronics, vol. 44, no. 1, XP-000779270, pages 217-225, " CHANNEL ESTIMATION FOR OFDM SYSTEMS BASED ON COMB-TYPE PILOT ARRANGEMENT IN FREQUENCY SELECTIVE FADING CHANNELS " February 1, 1998					
	AS	S. ABETA, et al., IEICE Technical Report, vol. 98, no. 21, XP-002929086, pages 67-74, " THE PERFORMANCE OF CHANNEL ESTIMATION METHOD USING ADAPTIVE WEIGHTED MULTI-SYMBOL AVERAGING(WMSA) WITH PILOT CHANNEL IN DS-CDMA ", April 1998 ( with English Abstract )					
	AT	S. CACOPARDI, et al., IEEE Vehicular Technology Conference, XP- 010162655, pages 1559-1563, " CHANNEL ESTIMATION AND TRACKING OF AN INDOOR ORTHOGONAL MULTICARRIER DS-CDMA SYSTEM USING MEASURED CHANNEL DELAY PROFILES ", May 1, 1996					
	AU						
					<input type="checkbox"/> Additional References sheet(s) attached		
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							